

Bibliographic Information

Prostaglandin esters. Kurono, Masayasu; Kumoto, Fusae; Hayashi, Masaki. (Ono Pharmaceutical Co., Ltd.). Ger. Offen. (1972), 20 pp. CODEN: GWXXBX DE 2155546 19720518 Patent written in German. Application: DE Priority: JP 70-98919 19701110. CAN 77:47934 AN 1972:447934 CAPLUS

Abstract

Twenty-seven esters of prostaglandin E1 (I), E2, F2 α , A1, and A2, useful as antiasthmatics and hypotensives, were prepd. by reaction of the prostaglandins with NEt₃ and Me₃CCOCl and reaction of the mixed anhydride with ROH [R = e.g. F₂CH(CF₂)₃CH₂, HO(CH₂)₃, α -naphthyl, n-C₁₀H₂₁, PrOCH₂CH₂, 2-pyridylmethyl, EtO₂C(CH₂)₉]. Thus, 7 mg NEt₃ was added to 22.3 mg I in CH₂Cl₂, 8.3 mg Me₃CCOCl added after 5 min, the mixt. stirred 10 min, 0.18 ml F₂CH(CF₂)₃CH₂OH and 0.09 ml pyridine were added, and the mixt. was stirred 1 hr to give I 2,2,3,3,4,4,5,5-octafluoro-1-pentyl ester.

1- PGE₂-G